Olerup SSP® HLA-B*41

Product number:	**101.542-06 – including *Taq* polymerase** **101.542-06u – without *Taq* polymerase**
Lot number:	**23X**
Expiry date:	**2017-March-01**
Number of tests:	**6**
Number of wells per test:	**19+1**

CHANGES COMPARED TO THE PREVIOUS HLA-B*41 LOT (20S).

Well	5'-primer	3'-primer	rationale
5	-	Added	3'-primer added for the B*41:27 allele.
14	Modified	-	5'-primer modified for increased HLA-specific amplification.
15	Moved	Exchanged	5'-primer moved to well 19, exchanged positive control primer pair, 3'-primer exchanged for improved HLA-specific amplification.
17	New	New	New primer pair for the B*41:19 allele.
18	New	New	New primer pair for the B*41:24 allele.
19	New, added	New	New primer pair for the B*41:28 allele, 5'-primer added from well 15.

THE NUMBER OF WELLS is increased from 16 to 20 wells.

ALLELE COVERAGE:
B*41:01 to B*41:33 i.e. all the currently recognized HLA-B*41 alleles, will be amplified by the primers in the HLA-B*41 SSP kit [1,2]; www.ebi.ac.uk/imgt/hla, 2014-July-25, release 3.17.0.

The HLA-B*41 kit enables separation of the confirmed HLA-B*41 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources.

The HLA-B*41 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

The following HLA-B*41 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*41:07, 41:12	4

The HLA-B*41 subtyping kit cannot distinguish the silent mutations in the B*41:01:01-41:01:02 or the B*41:02:01-41:02:05 alleles.

[1]Alleles that have been deleted from or renamed in the official WHO HLA Nomenclature up to and including the last IMGT/HLA database release can be retrieved from web page http://hla.alleles.org/alleles/deleted.html.
[2]The B*41:08 and the B*40:136, 40:231 and 40:279 alleles give rise to identical amplification patterns with the HLA-B*41 high resolution kit. These alleles can be distinguished by the HLA-B low resolution and/or HLA-B*40 kits.
The B*41:09 and 45:08 alleles give rise to identical amplification patterns with the HLA-B*41 high resolution kit. These two alleles can be distinguished by the HLA-B low resolution and/or HLA-B*45 kits.
The B*41:33 and the B*08:09, 08:84 and 42:04 alleles alleles give rise to identical amplification patterns with the HLA-B*41 high resolution kit. These two alleles can be distinguished by the HLA-B*08 and/or HLA-B*42 kits.

RESOLUTION IN HLA-B*41 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*41 SUBTYPINGS BY NON-HLA-B*41 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

Primer mix 14, 5'-primer modified for increased HLA-specific amplification.